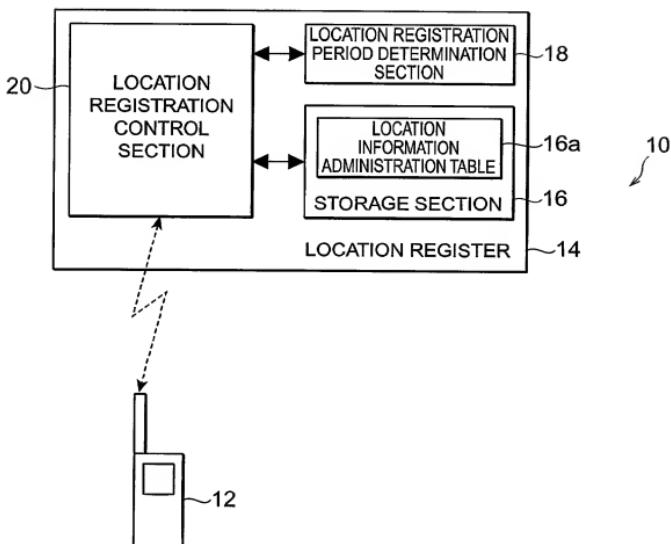


*Fig.1*



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*Fig.2*

MOBILE COMMUNICATION TERMINAL	LOCATION INFORMATION	NUMBER OF STAYS
MOBILE COMMUNICATION TERMINAL1	LOCATION REGISTRATION AREA1	1
MOBILE COMMUNICATION TERMINAL2	LOCATION REGISTRATION AREA2	11
MOBILE COMMUNICATION TERMINAL3	LOCATION REGISTRATION AREA1	0

16a

**Fig.3**

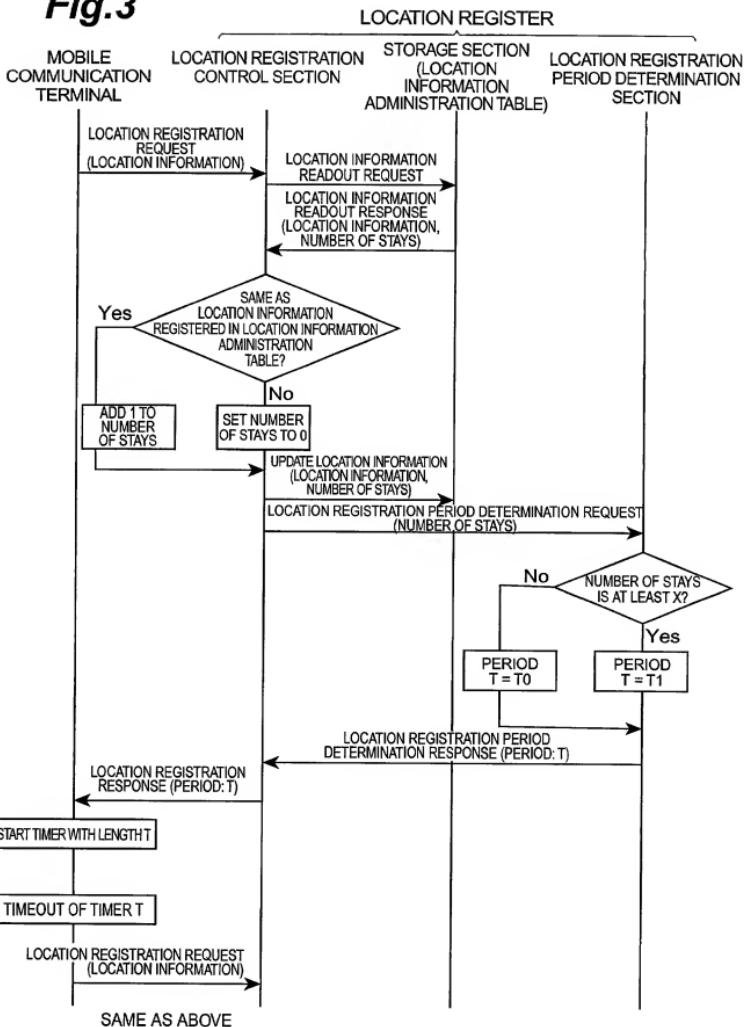
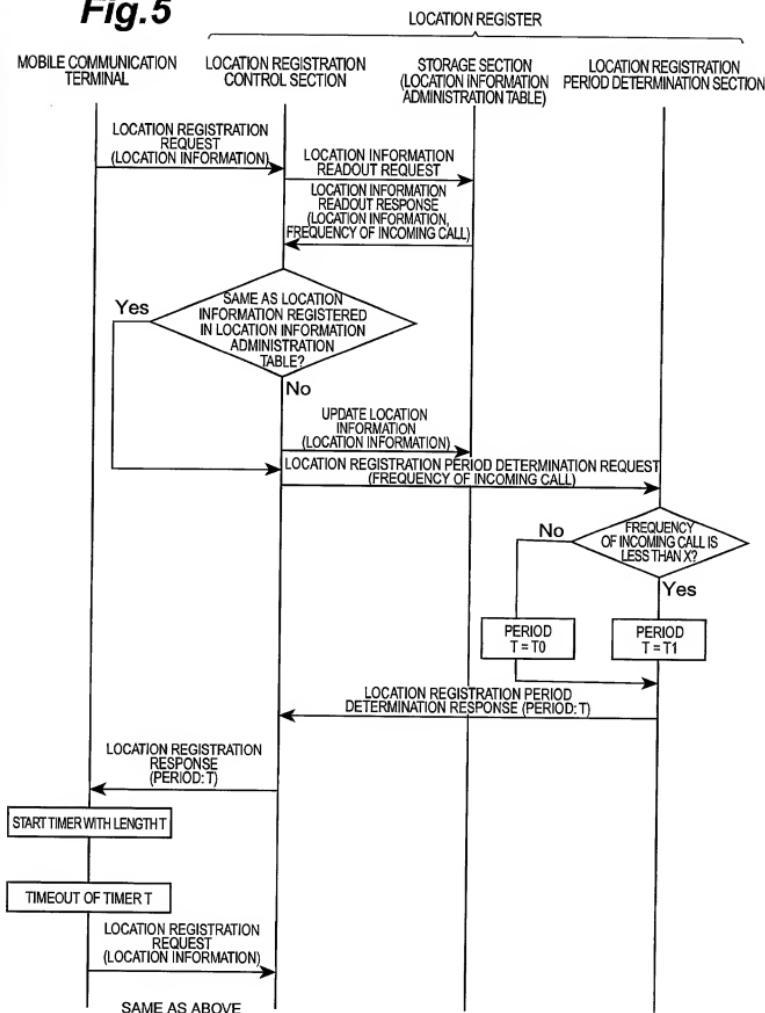


Fig.4

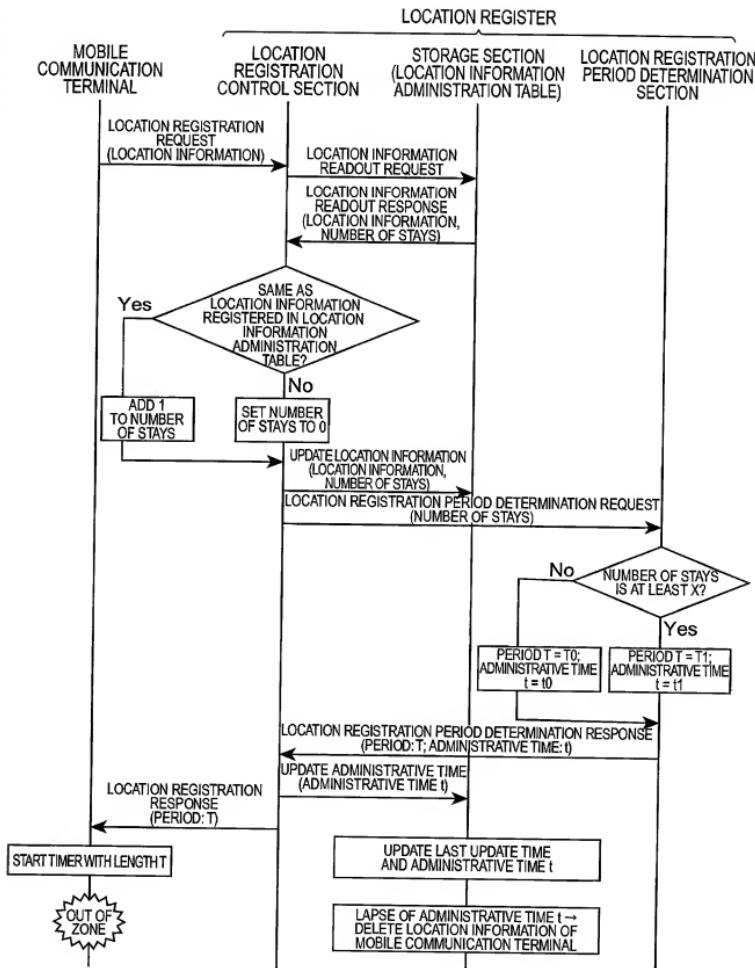
MOBILE COMMUNICATION TERMINAL	LOCATION INFORMATION	FREQUENCY OF INCOMING CALL
MOBILE COMMUNICATION TERMINAL1	LOCATION REGISTRATION AREA1	1
MOBILE COMMUNICATION TERMINAL2	LOCATION REGISTRATION AREA2	4
MOBILE COMMUNICATION TERMINAL3	LOCATION REGISTRATION AREA1	5

16b

**Fig.5**



**Fig. 6**

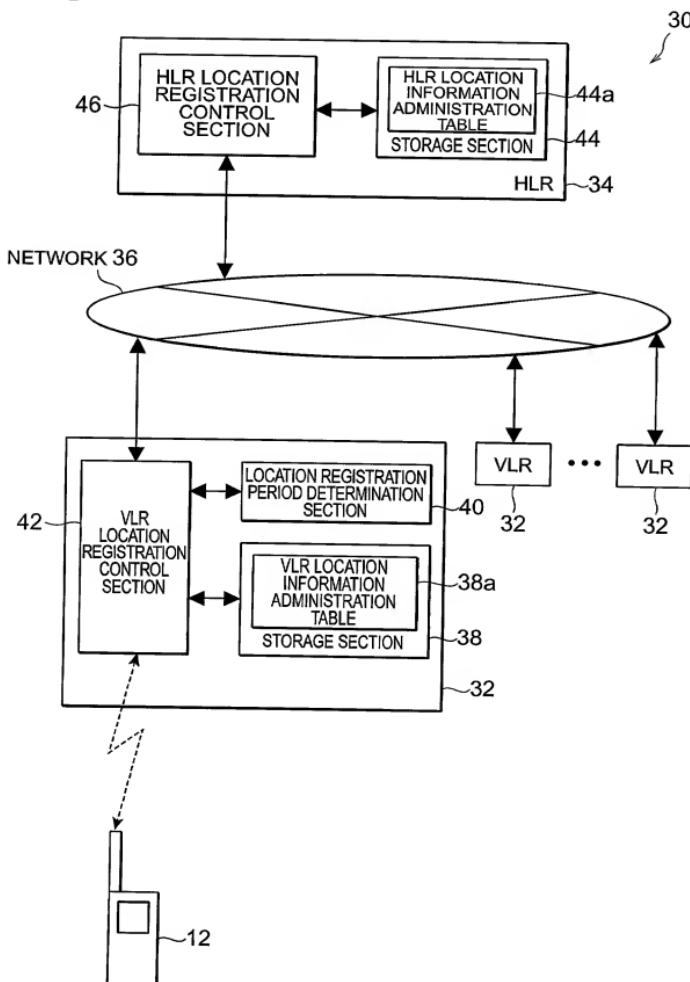


**Fig.7**

16c

MOBILE COMMUNICATION TERMINAL	LOCATION INFORMATION	NUMBER OF STAYS	LAST UPDATE TIME	LOCATION REGISTRATION ADMINISTRATION PERIOD
MOBILE COMMUNICATION TERMINAL1	LOCATION REGISTRATION AREA1	1	11:22:23	70min
MOBILE COMMUNICATION TERMINAL2	LOCATION REGISTRATION AREA2	11	11:30:00	130min
MOBILE COMMUNICATION TERMINAL3	LOCATION REGISTRATION AREA1	0	11:45:00	70min

*Fig. 8*



*Fig.9*

MOBILE COMMUNICATION TERMINAL	LOCATION INFORMATION	NUMBER OF STAYS
MOBILE COMMUNICATION TERMINAL1	LOCATION REGISTRATION AREA1	1
MOBILE COMMUNICATION TERMINAL2	LOCATION REGISTRATION AREA2	11
MOBILE COMMUNICATION TERMINAL3	VACANT	—

38a

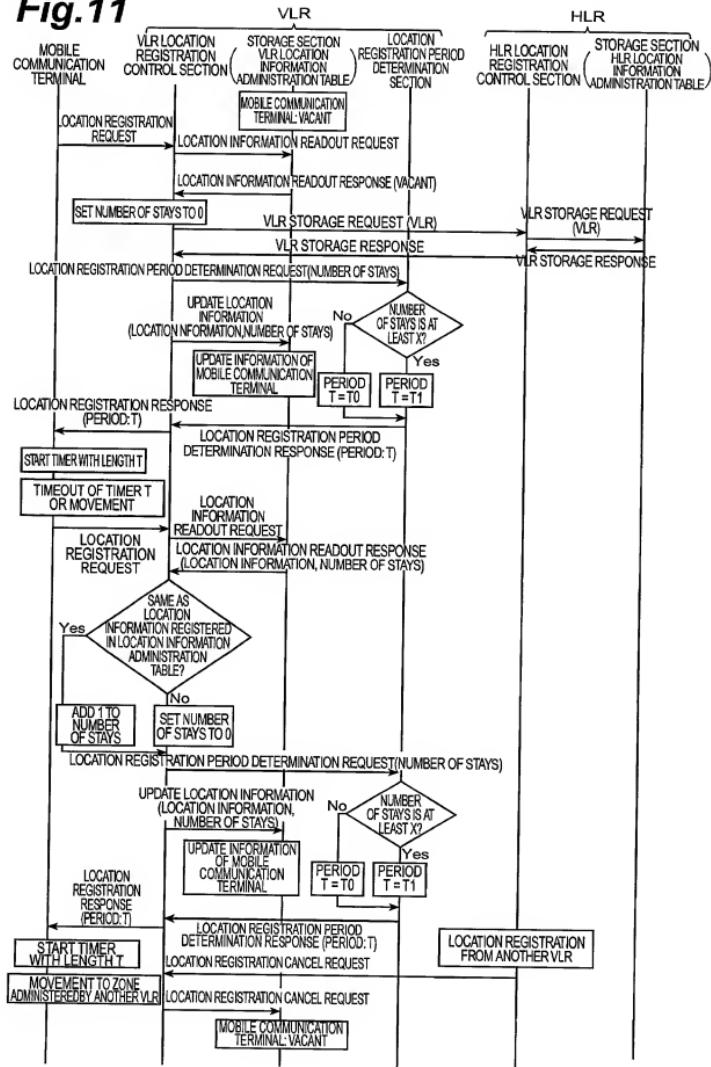
*Fig.10*

MOBILE COMMUNICATION TERMINAL	VISITED VLR
MOBILE COMMUNICATION TERMINAL1	VLR1
MOBILE COMMUNICATION TERMINAL2	VLR1
MOBILE COMMUNICATION TERMINAL3	VLR2

44a

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Fig. 11



**Fig.12**

MOBILE COMMUNICATION TERMINAL	LOCATION INFORMATION	FREQUENCY OF INCOMING CALL
MOBILE COMMUNICATION TERMINAL1	LOCATION REGISTRATION AREA1	1
MOBILE COMMUNICATION TERMINAL2	LOCATION REGISTRATION AREA2	4
MOBILE COMMUNICATION TERMINAL3	VACANT	—

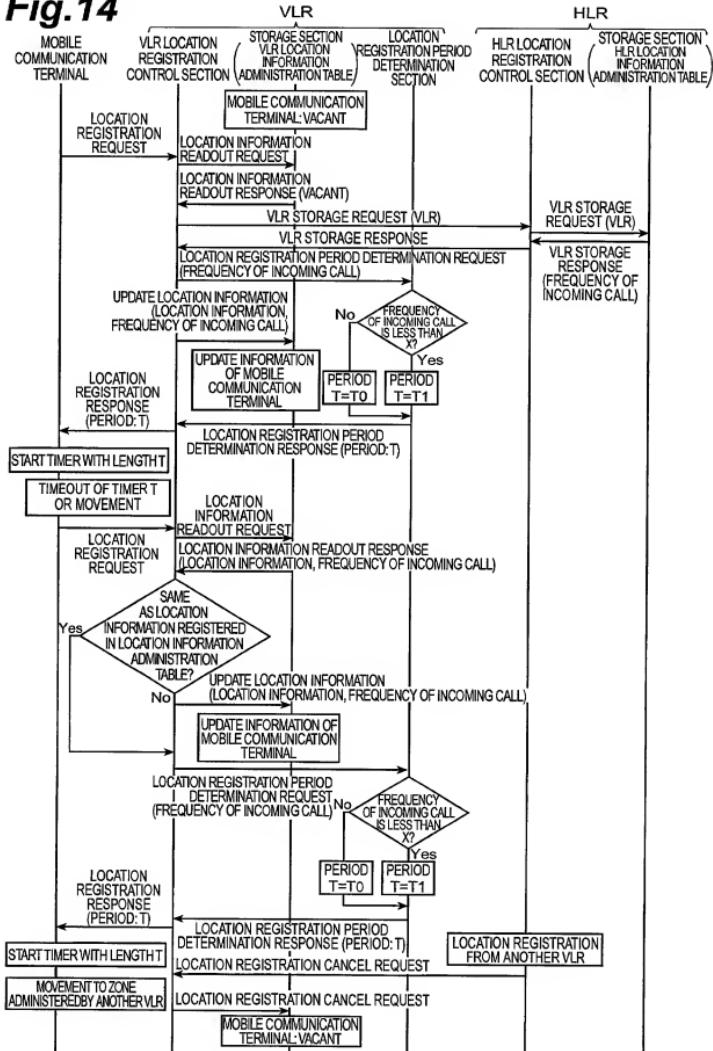
38b

**Fig.13**

MOBILE COMMUNICATION TERMINAL	VISITED VLR	FREQUENCY OF INCOMING CALL
MOBILE COMMUNICATION TERMINAL1	VLR1	1
MOBILE COMMUNICATION TERMINAL2	VLR1	4
MOBILE COMMUNICATION TERMINAL3	VLR2	5

44b

**Fig. 14**

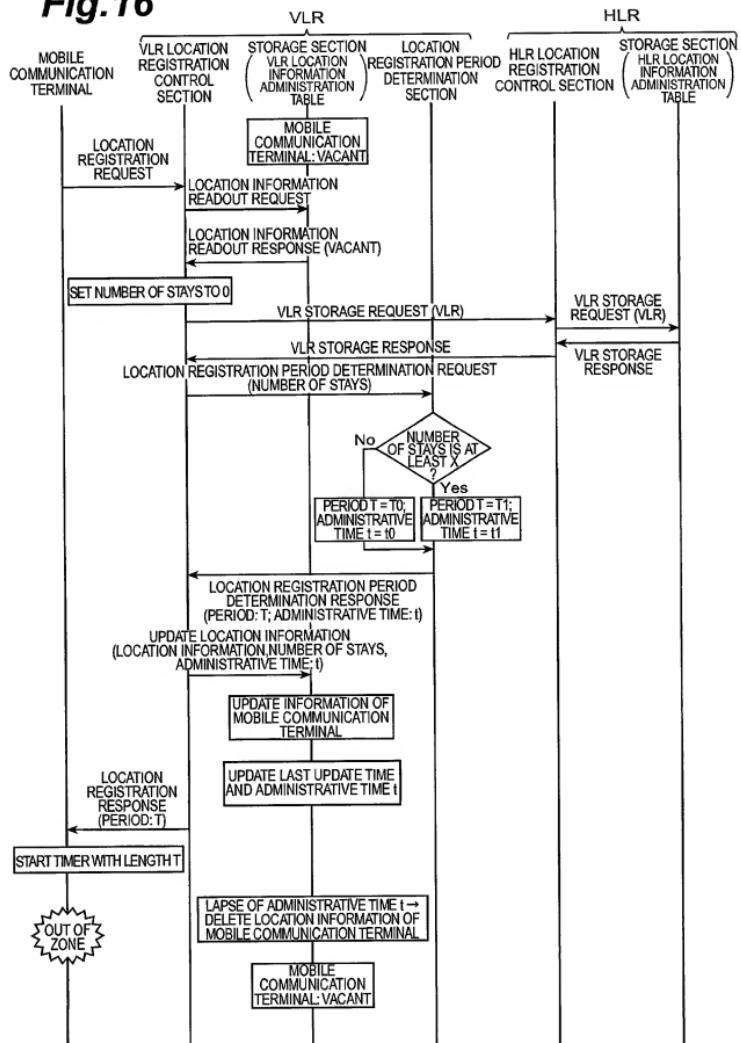


**Fig.15**



MOBILE COMMUNICATION TERMINAL	LOCATION INFORMATION	NUMBER OF STAYS	LAST UPDATE TIME	LOCATION REGISTRATION ADMINISTRATION PERIOD
MOBILE COMMUNICATION TERMINAL1	LOCATION REGISTRATION AREA1	1	11:22:23	70min
MOBILE COMMUNICATION TERMINAL2	LOCATION REGISTRATION AREA2	11	11:30:00	130min
MOBILE COMMUNICATION TERMINAL3	VACANT	—	—	—

**Fig. 16**



**Fig. 17**

50

TIME ZONE	BEHAVIOR PATTERN
0:00~ 7:30	STAY IN HOME OR NEARBY
7:00~ 9:00	MOVE FROM HOME TO OFFICE
9:00~19:00	STAY IN OFFICE OR NEARBY
19:00~20:30	MOVE FROM OFFICE TO HOME
20:30~24:00	STAY IN HOME OR NEARBY